

Listing of Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Please cancel claims 1-18 without prejudice or disclaimer.

Claims 1-18 (Cancelled).

19. (Original) A hybrid compressor device comprising:

- a driving unit rotated by receiving driving force from an outside driving source;
- a motor rotated by receiving electric power from an outside power source;
- a compressor operated by at least one of the driving unit and the motor, the compressor being for compressing refrigerant in a refrigerant cycle system, the compressor including
 - a suction area into which refrigerant before being compressed is introduced,
 - a discharge area into which compressed refrigerant flows, and
 - an oil separating unit for separating lubrication oil contained in refrigerant from the refrigerant and for storing the separated lubrication oil in the discharge area;
- a transmission mechanism disposed between the compressor and at least any one of the driving unit and the motor, the transmission mechanism being for changing a rotational speed of the at least one of the driving unit and the motor, to be transmitted to the compressor;
- a housing for accommodating therein the motor and the transmission mechanism;

and

- means for forming an oil introducing passage through which the lubrication oil stored in the discharge area is introduced into the housing,

wherein an inner space of the housing communicates with the suction area through a communication passage.

20. (Original) The hybrid compressor device according to claim 19, wherein:

at least one of the compressor and the housing has a suction port from which the refrigerant is introduced into the suction area of the compressor.

21. (Original) The hybrid compressor device according to claim 19, wherein:

the housing is disposed to accommodate the compressor, the motor and the transmission mechanism; and

the housing has a suction port, from which the refrigerant is sucked into the compressor, at a side where the motor and the transmission mechanism are disposed.

22. (Original) The hybrid compressor device according to claim 19, wherein:

the oil introduction passage is a decompression passage through which the discharge area communicates with the inner space of the housing while a pressure from the discharge area is reduced in the communication passage.

23. (Original) The hybrid compressor device according to claim 19, wherein:

the transmission mechanism includes a plurality of movable members;

the housing has a storage wall for storing a predetermined amount of the lubrication oil in the housing;

the storage wall has a top end at a position higher than a contact portion between the movable portions; and

the communication passage is provided at a position lower than the top end of the storage wall.

24. (Original) The hybrid compressor device according to claim 19, wherein

the oil introduction passage is a first decompression passage through which the discharge area communicates with the inside of the housing while pressure is reduced from the discharge area toward the inside of the housing; and

the communication passage is a second decompression passage through which the inside of the housing communicates with the suction area while pressure is reduced from the inside of the housing toward the suction area.

25. (Original) The hybrid compressor device according to claim 19, wherein the lubrication-oil separating unit is a centrifugal separator disposed in the discharge area.

26. (Original) The hybrid compressor device according to claim 20, further comprising

a check valve provided in the suction port, for preventing the lubrication oil from flowing out from the housing through the suction port.

27. (Original) The hybrid compressor device according to claim 19, wherein:

the compressor includes a compression portion for compressing refrigerant, and a discharge port from which compressed refrigerant is discharged outside the compressor; and the housing and the discharge port are provided at both sides of the compression portion in a rotational axial direction of the compressor.